

OPERAND QUEUE FOR USE IN A FLOATING POINT UNIT
AND METHOD OF OPERATION

ABSTRACT OF THE DISCLOSURE

5 ^{Sub} ~~PA~~ There is disclosed an operand queue for use in a floating
point unit. The floating point unit comprises floating point
processing units for executing floating point instructions that
write operands to an external memory and for executing floating
point instructions that read operands from the external memory.
10 The floating point also comprises an operand queue for storing a
plurality of operands associated with one or more operations being
processed in the floating point unit. The operand queue stores a
first operand being written to an external memory by a floating
point write instruction executed by a first one of the plurality of
15 floating point processing units and supplies the first operand to
a floating point read instruction executed by a second one of the
plurality of floating point processing units subsequent to the
execution of the floating point write instruction.